

7 NAC regimen

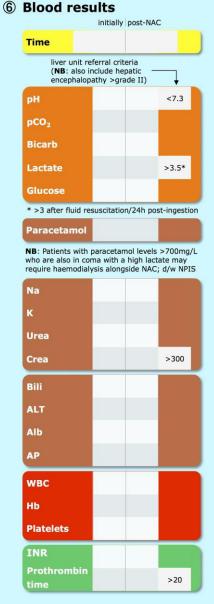
- N-Acetylcysteine (NAC) ampoules contain 2G NAC in 10mL (200mg/mL)
- Regimen consists of 2 infusions given consecutively over 12h

First infusion (2 hours)

Add required amount of NAC

- Tick applicable weight range (in pregnancy, here: ACTUAL weight)
- To prescribe complete regimen including PRN medicines for any adverse reactions in NC Meds, go to Emergency Medicine (ED) > Antidotes (ED) > N-Acetylcysteine > [select weight range] > Complete SNAP regimen
- During Nervecentre downtime, use drug chart as per example in box 8

	•	nL bag of Glu		to a 1000mL bag of Glucose 5%				
Patient weight				NB: If CBG in diabetics proves difficult to control, go to N-Acetylcysteine as above > [select weight range] > Repeat 10hr NAC infusions and select 0.9% NaCl option				
	NAC 100	Omg/kg	Dete	NAC 2	Data			
(kg)	Dose	Volume	Rate	Dose	Volume	Rate		
	mg	mL	mL/h	mg	mL	mL/h		
40-49	4600	23	112	9000	45	105		
50-59	5600	28	114	11000	55	106		
60-69	6600	33	117	13000	65	107		
70-79	7600	38	119	15000	75	108		
80-89	8600	43	122	17000	85	109		
90-99	9600	48	124	19000	95	110		
100-109	10600	53	127	21000	105	111		
over 109	11000	55	128	22000	110	111		



NAC adverse reactions

NAC can cause nausea, vomiting, flushing, urticarial rash, angioedema, tachycardia, bronchospasm and, rarely, shock.

Reactions are more likely in female patients, asthmatics, those with a family history of allergies and pts with low paracetamol levels. They are mostly seen when giving the 1st bag.

Reactions often settle when the infusion is simply stopped temporarily; consider chlor-phenamine 10mg IV if this is not effective. Add salbutamol 5mg neb if bronchospasm.

Symptom control medications should all be prescribed together with NAC routinely and are therefore included in the NC Meds 'Complete SNAP regimen' order set.

If unsuccessful use anaphylaxis pathway.

NB: Once reaction settled, restart the infusion at the standard rate.

Previous reaction is NO contraindication to NAC. If patient reports previous reactions, consider pre-treatment with chlorphenamine 10mg IV. Pre-treat with salbutamol if history of bronchospasm.

(8) NAC example prescription for use during Nervecentre downtime for 62kg patient as per table in box 7

Second infusion (10 hours)

Add required amount of NAC

Date	Infusion fluid		Additions to infusion		IV or	Line	Start Time	Time to run or ml/hr	Fluid	
	Type/strength	Volume	Drug	Dose	SC				Batch No.	Prescriber
DD/MM/YY	Glucose 5%	200mL	N-Acetylcysteine	6600mg = 33mL	IV		нн:мм	117 ml/h (í.e. runs over 2h)		Dr.'s Name
DD/MM/YY	Glucose 5%	1000mL	N-Acetylcysteine	13000mg = 65 mL	ΙV		нн:мм	107 mL/h (í.e. runs over 10h)		Dr.'s Name